

a first polarizer means for polarizing, in a defined orientation, light input to the DMD;

surfaces within the projection system adapted to depolarize scattered light or alter the polarization of scattered light from the defined orientation; and

a second polarizer means for polarizing in the same defined orientation, light passing through said projection lens.

7. A projection system as claimed in claim 6, further comprising a beamsplitter for separating said light beam into red, green and blue components and delivering the components to individual DMDs and reassembling the components into a single light beam for passage through the projection lens.

8. The projection system as claimed in claim 6, wherein the surfaces are coated with quarter wave polarizing material.

9. The projection system as claimed in claim 6, wherein the heat load on the projection system is reduced.

10. A projection system, comprising:

a light source for producing a light beam;

a first polarizer for polarizing the light beam in a defined orientation;

a digital mirror device (DMD) for imparting image information to the polarized light beam;

surfaces within the projection system adapted to depolarize scattered light or alter the polarization of scattered light from the defined orientation;

a screen;

a projection lens for projecting the light beam onto the screen; and

a second polarizer for polarizing the light beam in the defined orientation after light is reflected off the surfaces and before the light beam reaches the screen.

11. The projection system as claimed in claim 10, further comprising a beamsplitter for separating said light beam into red, green, and blue components and delivering the

components to individual DMDs and reassembling the components into a single light beam for passage through the projection lens.

12. The projection system as claimed in claim 10, wherein the surfaces are coated with quarter wave polarizing material.

13. The projection system as claimed in claim 10, wherein the heat load on the projection system is reduced.

14. A projector, comprising:
a light source for producing a light beam;
a first polarizer for polarizing the light beam in a defined orientation;
a plurality of digital mirror devices (DMDs) for imparting image information to the polarized light beam;
surfaces within the projection system adapted to depolarize scattered light or alter the polarization of scattered light from the defined orientation;
a projection lens for projecting the light beam; and
a second polarizer for polarizing the projected light beam in the defined orientation.

15. The projector of claim 14, further comprising a beamsplitter for separating said light beam into red, green and blue components (R, G, B) and delivering the components to individual DMDs and "reassembling" the components into a single light beam for passage through the projection lens.

16. The projector of claim 14, wherein the surfaces are coated with quarter wave polarizing material.

17. The projector of claim 14, wherein the heat load on the projection system is reduced.

18. The projector of claim 14, wherein the second polarizer polarizes the light beam after the light beam is projected by the projection lens.

19. The projector of claim 14, wherein the second polarizer polarizes the light beam before the light beam is projected by the projection lens.

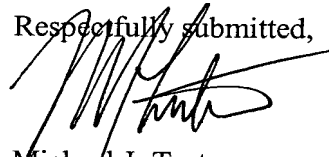
In the Abstract:

Please insert the attached abstract page.

CONCLUSION

Applicants respectfully request allowance of the claims and issuance of a patent in due course.

Respectfully submitted,



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